

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the specification:

The title, appearing at page 1, line 1 has been amended as follows:

NUCLEIC ACID ENCODING HUMAN SUPPRESSOR OF FUSED

The paragraph at page 9, lines 6-14 of the substituted specification has been amended as follows:

"Percent (%) amino acid sequence identity" with respect to the hSu(fu) sequences identified herein is defined as the percentage of amino acid residues in a candidate sequence that are identical with the amino acid residues in the hSu(fu) sequence, after aligning the sequences and introducing gaps, if necessary, to achieve the maximum percent sequence identity, and not considering any conservative substitutions as part of the sequence identity. The % identity values used herein can be generated by WU-BLAST-2 which was obtained from (Altschul *et al.*, Methods in Enzymology, 266:460-480 (1996); ~~see also~~ <http://blast.wustl.edu/blast/README.html>, which is incorporated herein by reference). WU-BLAST-2 uses several search parameters, most of which are set to the default values. The adjustable parameters are set with the following values: overlap span =1, overlap fraction = 0.125, word threshold (T) = 11.

In the claims:

Claims 10, 28-32 and 34-37 have been cancelled.

Claims 1, 4, 7, 11 and 24 have been amended as follows:

1. (Twice amended). Isolated nucleic acid comprising DNA encoding an hSu(fu) polypeptide having at least an 80% sequence identity to (a) ~~a DNA molecule encoding a hSu(fu) polypeptide having~~ the sequence of amino acid residues from 1 to 433 of Figure 1 (SEQ ID NO:2), or (b) the complement of the DNA molecule of (a); and wherein said hSu(fu) polypeptide binds Gli.

4. (Twice amended). An isolated nucleic acid molecule having about 1299 nucleotides encoding an hSu(fu) polypeptide, comprising DNA capable of hybridizing under stringent ~~conditions~~ conditions to the complement of the nucleic acid having the sequence of nucleotide

positions from about 74 to about 1372 of Figures 6A-6B (SEQ ID NO:1); wherein said stringent conditions are 0.015 M sodium chloride/0.0015 M sodium citrate/0.1% sodium dodecyl sulfate at 50°C, followed by a high stringency wash of 0.1 x SSC containing EDTA at 55°C and wherein said hSu(fu) polypeptide binds Gli.▪

7. (Twice amended). An isolated nucleic acid molecule comprising (a) DNA encoding a polypeptide having at least an 80% sequence identity to the sequence of amino acid residues from about 1 to about 433 of Figure 1 (SEQ ID NO:2), or (b) the complement of the DNA of (a), and wherein said polypeptide binds Gli.▪

11. (amended). A vector comprising the nucleic acid of Claim 1.

24. (Twice amended). An isolated hSu(fu) polypeptide produced by:

- (i) hybridizing a test DNA molecule under stringent conditions with (a) a DNA molecule encoding ~~a hSu(fu) polypeptide having~~ the sequence of amino acid residues ~~from 1 to about 433~~ of Figure 1 (SEQ ID NO:2), or (b) the complement of the DNA molecule of (a), and, if said test DNA molecule has at least about an 80% sequence identity to (a) or (b); followed by
- (ii) culturing a host cell comprising said test DNA molecule under conditions suitable for the expression of said polypeptide; and
- (iii) recovering said polypeptide from the cell culture,

wherein said stringent conditions are hybridization in 0.015 M sodium chloride/0.0015 M sodium citrate/0.1% sodium dodecyl sulfate at 50°C, followed by washing in 0.1 x SSC containing EDTA at 55°C and

wherein said hSu(fu) polypeptide binds Gli.▪